

FIG. 2

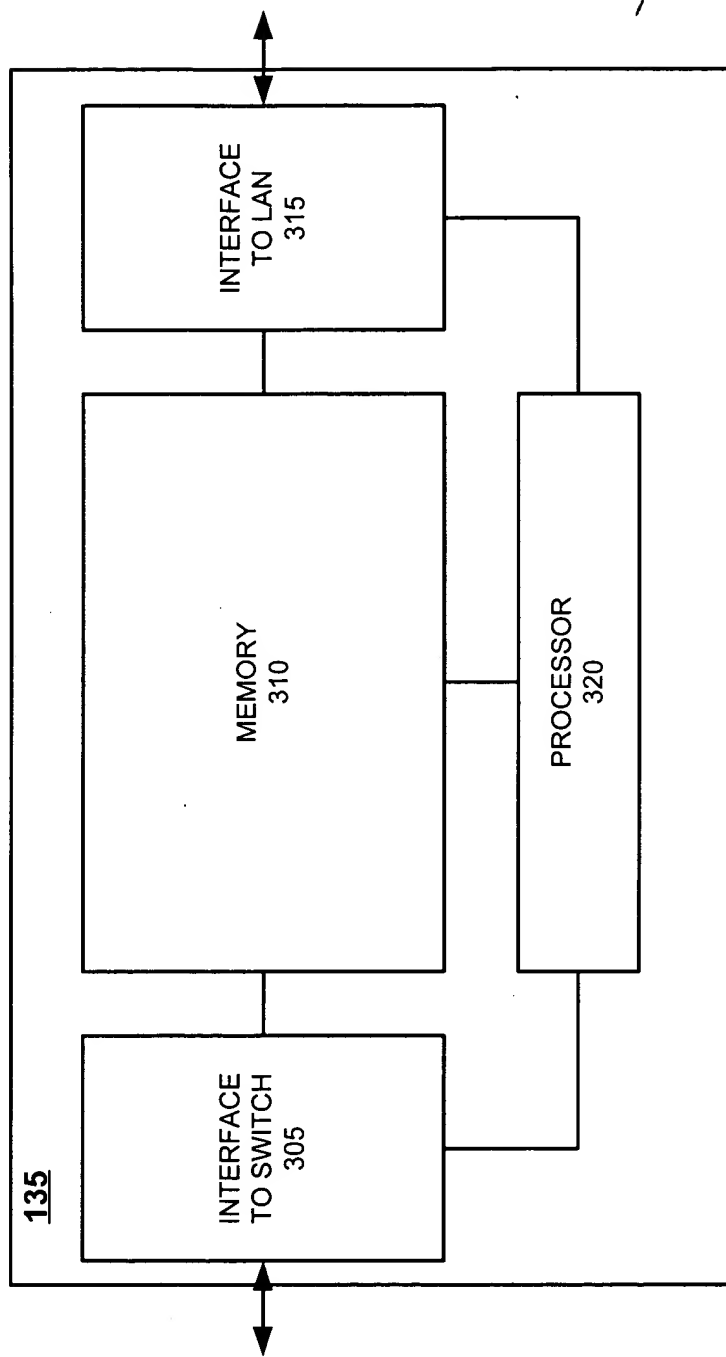


FIG. 3

# **SWITCH'S VC TABLE FOR PACKETS FROM GATEWAY**

**400**

VC ENTRY 405	ROUTER OUTPUT PORT ( $PN_{OUT}$ ) 410	$VCI_{out}$ 415	DESTINATION
1	IP ROUTER	HELLO #	ROUTER
2	IP ROUTER	ROUTE #	ROUTER
3	IP ROUTER	IP #	ROUTER DECISION
4	Port 2	171	GATEWAY G
5	Port 0	34	GATEWAY W
6	Port 3	72	GATEWAY K
7	IP ROUTER	IP #	ROUTER DECISION
8	Port 1	49	GATEWAY B

**FIG. 4**

# **GATEWAY'S VC TABLE FOR PACKETS FROM ROUTER**

**500**

VC ENTRY 505	DESTINATION 510
HELLO #	GATEWAY PROCESSOR
ROUTE #	GATEWAY PROCESSOR
IP #	FORWARD TO LAN, WITHOUT VCI

**FIG. 5**

600

# GATEWAY FORWARDING TABLE

DESTINATION GATEWAY 605	VCI <sub>out</sub> 610
GATEWAY G	171
GATEWAY W	34
GATEWAY K	72
GATEWAY Z	116
GATEWAY B	49

FIG. 6

700

# ROUTER-TO-ADJACENT- ROUTER UPDATE

ROUTER# 705	ROUTER_B
SEQ. # 710	SEQ_NUM
GATEWAY STATE (UP/DOWN) 715	GATEWAY VCI 720

FIG. 7

800

ROUTER-TO-ROUTER  
GATEWAY-FLOOD-UPDATE

ROUTER# 805		ROUTER_B	
SEQ. # 810		SEQ_NUM	
GATEWAY G 815		GATEWAY DATA 820	
GATEWAY W 815		GATEWAY DATA 820	
GATEWAY K 815		GATEWAY DATA 820	
GATEWAY B 815		GATEWAY DATA 820	

FIG. 8

900

ROUTER-TO-GATEWAY  
UPDATE

SEQ. # 905		SEQ_NUM	
GATEWAY 910	GATEWAY VCI 915	ADD/DROP FLAG 920	
GATEWAY K	72	ADD	
GATEWAY Z	116	DROP	
GATEWAY B	49	ADD	

FIG. 9

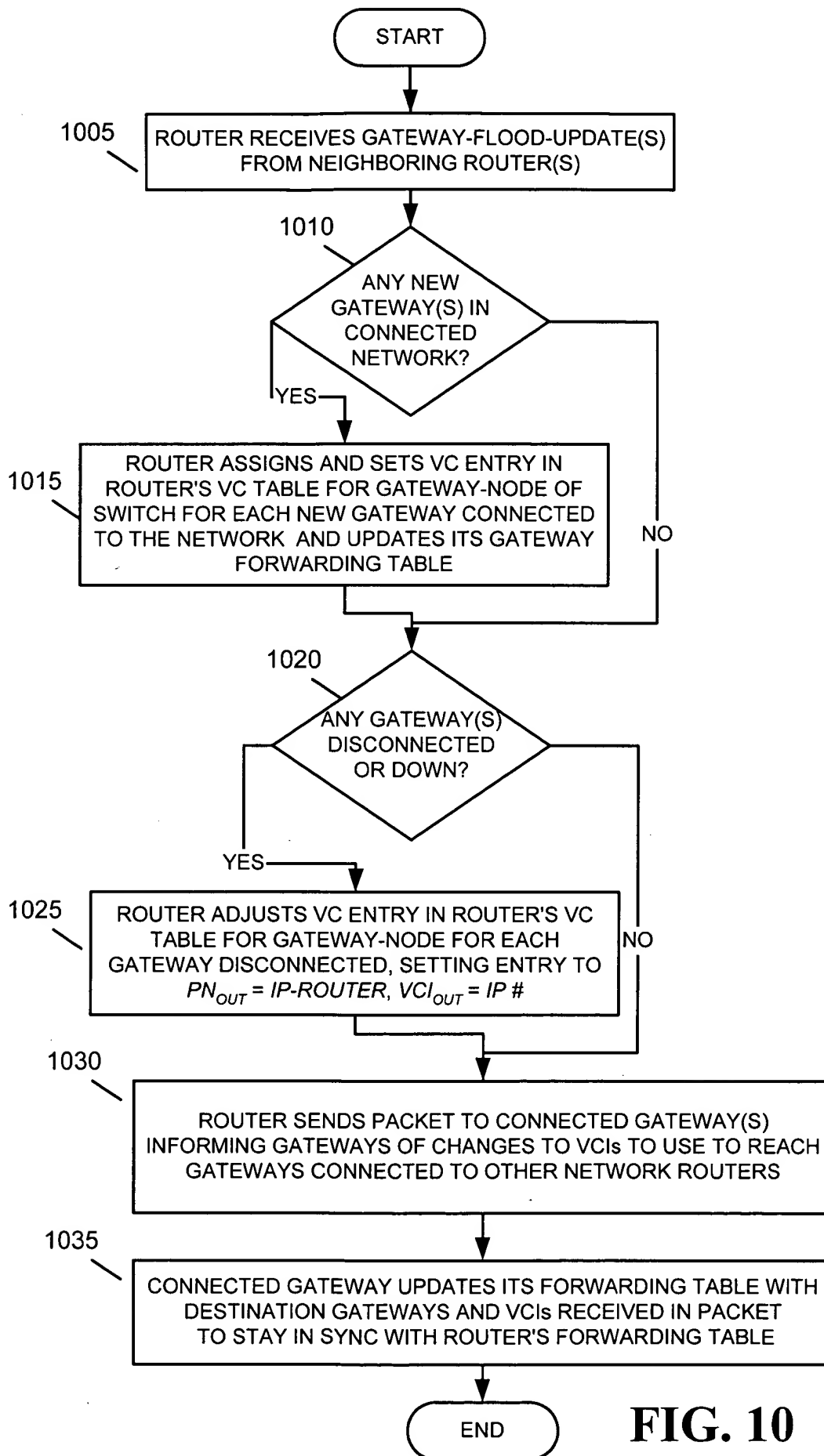


FIG. 10

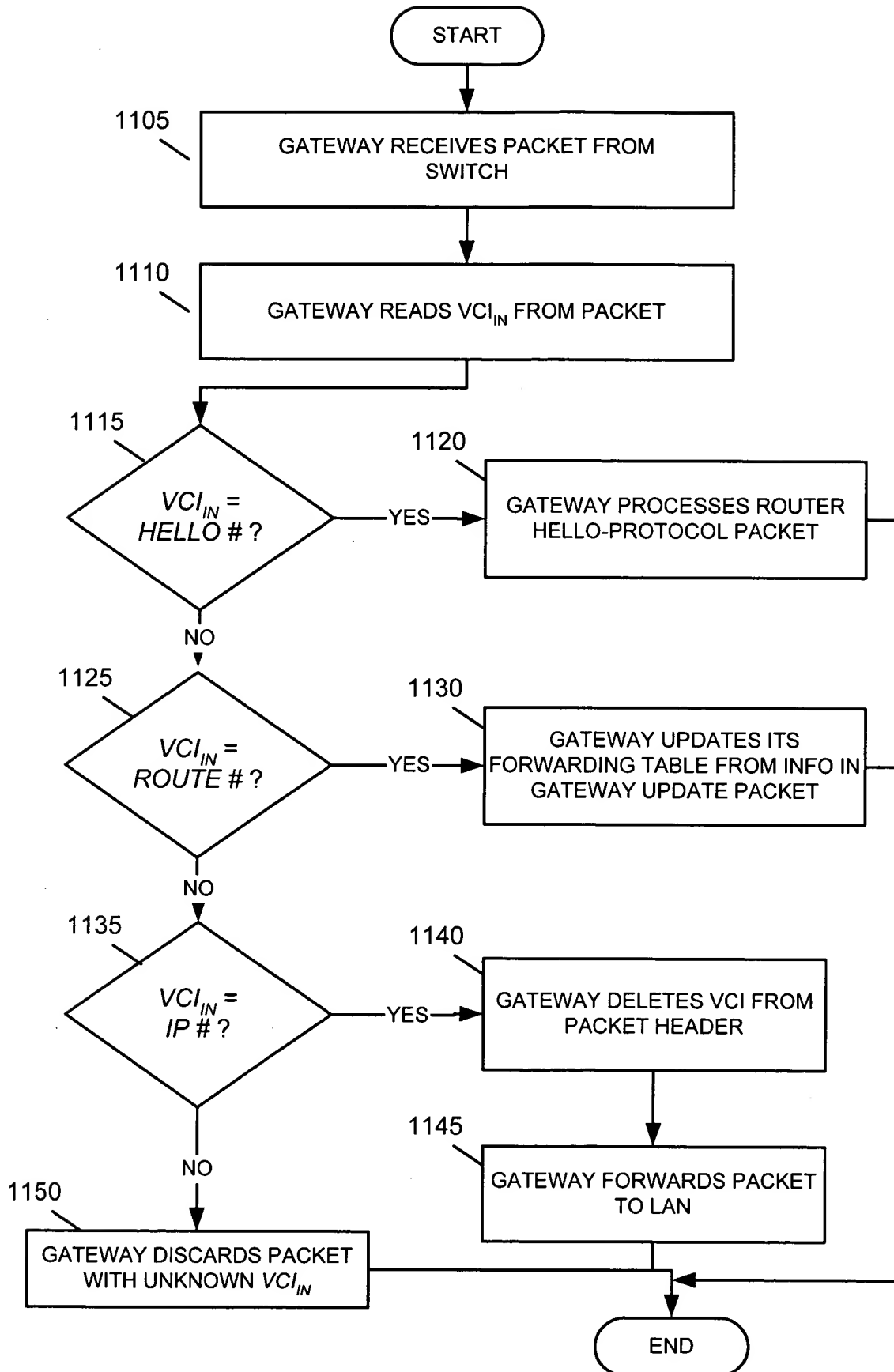
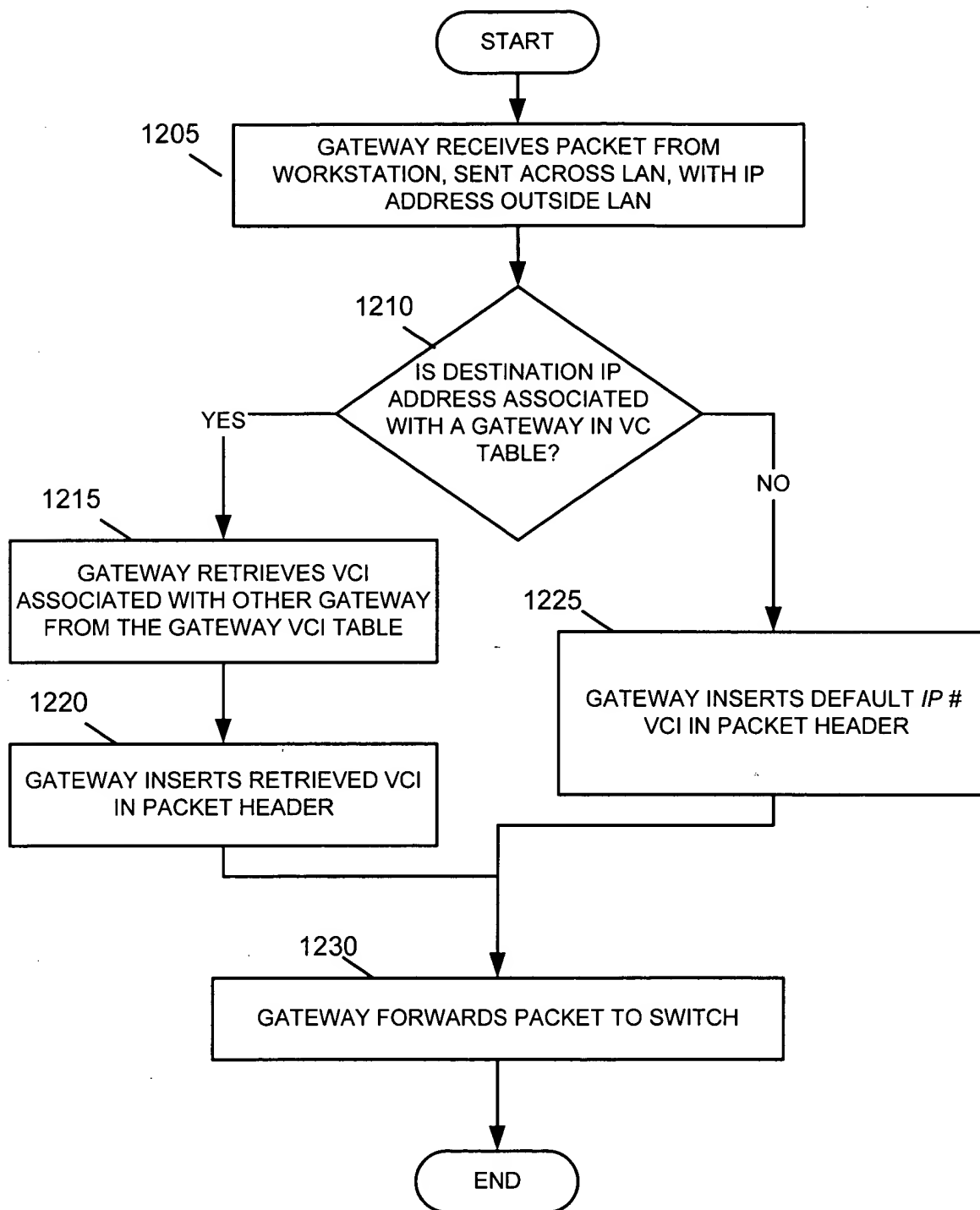
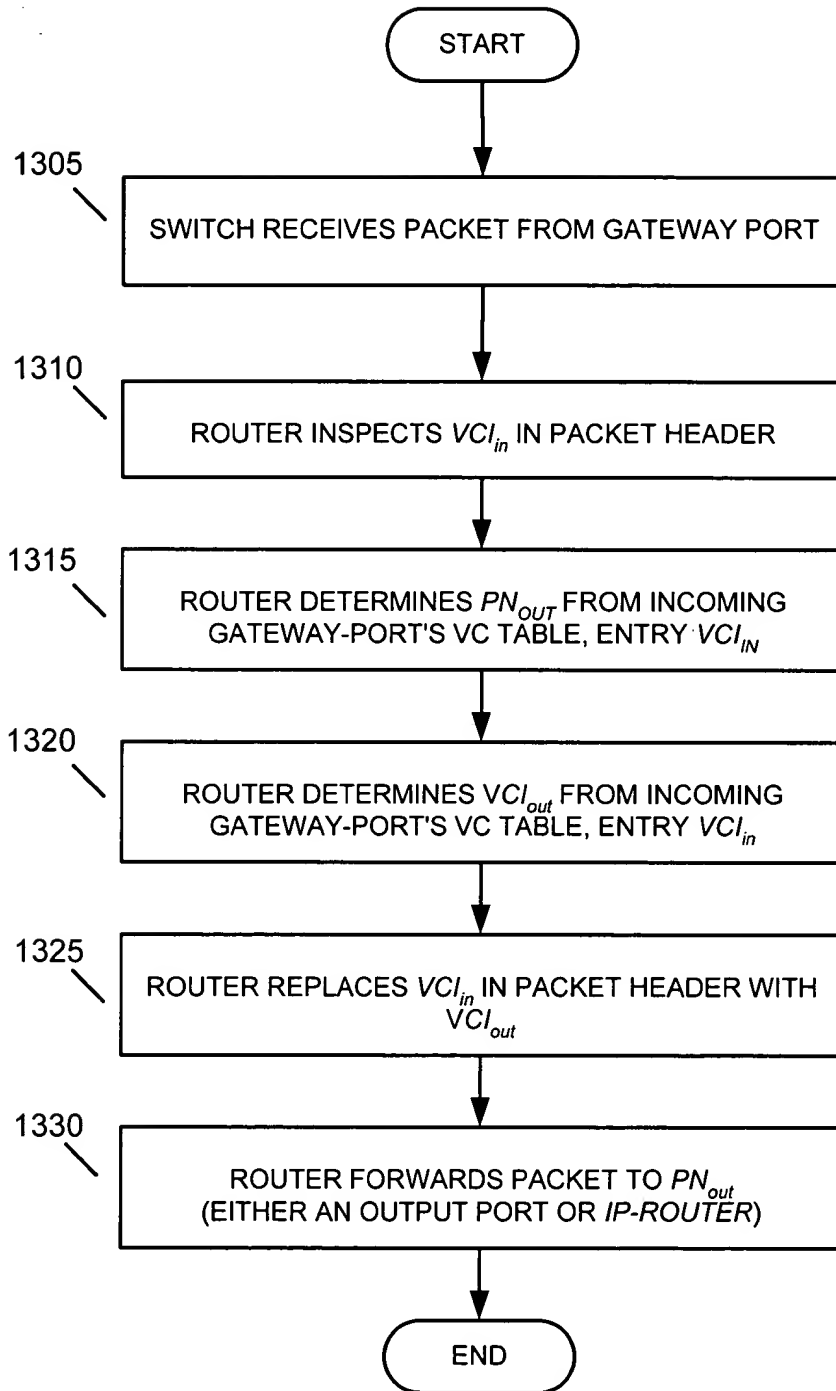


FIG. 11





**FIG. 12**



**FIG. 13**